

## STATE OF WASHINGTON **DEPARTMENT OF ECOLOGY**

## APPLICATION FOR PERMIT TO CONSTRUCT A RESERVOIR AND TO STORE FOR BENEFICIAL USE WATERS OF THE STATE OF WASHINGTON

50.00 NON-REFUNDABLE MINIMUM STATUTORY FILING FEE REQUIRED WITH APPLICATION (GRAY BOXES FOR OFFICE USE ONLY)

APPLICATION NUM		W.R.I.A.	COUNTY		PRIORITY I		TIME	ACCEPTED	
K2-30	435	28	clark		8-31			30	
APPLICANT'S NAM Brian Calkins, Wildlin		artment of Fish ar	nd Wildlife-Shillapoo Wildlife	Area	TELEPHON	IE NUMBER 36	60-906-6725		
DATE AND PLACE	OF INCORPORATI	ON, IF APPLICAI	NT IS A CORPORATION						
ADDRESS (STREE	Γ) 2108 Grand Blvd	•	(CIT	Y)Vancouver		(STATE) W	A (ZIP C	ODE)98661	
NAME OF PROPOS	ED BECERVOIR O		OURCE, USE, AND C	APACITY OF	RESERVOIR	2			
NAME OF PROPOS	ED RESERVOIR S	пшароо саке							
NAME OF STREAM OR OTHER SOURCE FOR RESERVOIR SUPPLY Lake River					TRIBUTARY	TRIBUTARY OF Columbia River			
JSE(S) TO BE MAD	E OF IMPOUNDED	WATER (IRRIG	ATION, POWER, FISH PRO	POGATION, ET	C.) Floodplain We	tland and Wildl	ife Habitat Mana	gement	
1,200 acre-feet at Normal full pool; 2,300 acre-feet at operational full pool. October in					F YEAR DURING WHICH RESERVOIR IS TO BE FILLED Begin filling in ching maximum depth in February through June. Drawdown through vegetation management purposes.				
NUMBER OF ACRE	S TO BE IRRIGATI	ED, IF USED FOR	R IRRIGATION N/A						
			TER IS TO BE WITHDRAWN eed (preferred) through the in				nat can draw via a	an inlet pipe (42') from	
	- Paragraphic Control of the Control	LOCA	TION OF POINT OF D	IVERSION C	R WITHDRA	WAL			
GIV			ATS OR MAPS, ACCURATE ARING, OR NORTH-SOUTH					RNER.	
COMPLETE EITHER			BE LOCATED IN THE CHA					-	
A OR B			BE FILLED THROUGH A F S Lake River as described		(OR PIPELINE) H	AVING ITS PO	OINT OF DIVERS	ION (INTAKE)	
DISTANCE AND BE	ARING TO SECTION	ON CORNER 510	feet west of SW corner Sec	tion 44, T2N, R1E		5			
OCATED WITHIN ( \$188457000	SMALLEST LEGAI	SECTION 51	TOWNSHIP N. 2N	HIP N. RANGE (E. OR W.) W.M. COUNTY Clark					
LOT	BLOCK		TS OF A RECORDED NAME OF PLAT OR ADDIT		ROPERTY, C	OMPLETE	THIS SECTION	ON	
			LOCATION OF IMPO	DUNDING ST	RUCTURE				
MPOUNDING STRU Clark Co. parcels 18		LEST LEGAL SUBDIVISION			TOWNSHIP I 3, N	N. RAI 1, E	NGE (E. OR W.) W.M. E		
	(THE		SION OF LANDS IN WHICH						
Parcels noted above							Mi s	7 10 7	
DO YOU OWN THIS	PROPERTY NO	IF NO, H	AVE YOU SECURED FLOO S NO	D RIGHTS FOR	LANDS TO BE IN	UNDATED	esi en ze a	acty	
		CC	ONSTRUCTION OF IN	POUNDING	STRUCTURE				
HEIGHT OF DAM (F height 10 feet (varies		LENGTH OF 14,500 feet	TOP (FEET)	LENGTH OF 14,500 Feet	BOTTOM (FEET)	V	VIDTH ON TOP (	FEET) 10 feet	
								water the second	

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SLOPE OF FRONT OR WATER SIDE (NUMBER OF FEET HORIZONTAL TO ONE FOOT VERTICAL) 3 H: 1V EI 10 to 6; 6 H to 1 V below EI 6	SLOPE OF BACK SIDE (NUMBER OF FEET HORIZONTAL TO ONE FOOT VERTICAL) 3 H: 1V EI 10 to 6; 6 H to 1 V below EI 6							
HEIGHT OF DAM ABOVE WATER LINE AT MAXIMUM FLOOD FLOW (FEET) These levees are below the level of the surrounding flood control levees. The proposed levee tops are at elevation 10, spillways are at elevation 9, and normal operation level is a maximum of elevation 8.								
TYPE OF CONSTRUCTION OF DAM AND MATERIAL OF WHICH IT IS TO BE BU	ILT Small earthen levees built of native	soil (homogenous native earthfill, clay with silt).						
LOCATION AND DIMENSIONS OF SPILLWAYS (STATE WHETHER OVER, AROUND, OR THROUGH DAM) Spillways are 48 feet wide and are over the dam located at the west central portion of the project where an upgraded pumping station is to be located.								
NUMBER OF ACRES TO BE SUBMERGED BY RESERVOIR WHEN FULL 462	MAXIMUM DEPTH (FEET) 5 feet under normal conditions except at drainage sump below the toe of the levee where the depth would be 11 feet.	APPROXIMATE AVERAGE DEPTH (FEET) ~3 feet						
ESTIMATED COST OF PROPOSED WORK \$2,000,000								
CONSTRUCTION WILL BEGIN ON OR BEFORE (DATE) June 2008 or sooner if approvals are in place and conditions are conducive.	CONSTRUCTION WILL BE COMPLETED ON OR BEFORE (DATE) October 2009							
SIZE AND TYPE OF OUTLET STRUCTURE 36" CMP up and downstream from concrete wall in rectangular box with 2' 6" stoplogs to adjust water levels. These will discharge to pump pit where water will either gravity flow through flood control levee (preferred) or be pumped through same. Two 5,000 gpm pumps plus the diking district's existing 10,000 gpm pump will be at this location. The two 5,000 gpm pumps discharge water to Lake River via an 18 inch pipeline; The diking district 10,000 gpm pump discharges to Lake River via a separate 18 inch discharge pipe. A 42-inch tidegated culvert also provides for gravity discharge to Lake River.								
LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED (IF DIFFERENT THAN ABOVE)								
COPY LEGAL DESCRIPTION FROM DEED: OR ATTACH COPY OF DEED. TAX STATEMENT DESCRIPTIONS ARE NOT ACCEPTABLE.  ALSO OUTLINE THIS PROPERTY ON THE MAPS OR PLATS SUBMITTED WITH THIS APPLICATION.								
Deeds attached.								
DO YOU OWN THIS PROPERTY  YES NO								
IF NO, GIVE NAME AND ADDRESS OF OWNER								
Brim M. Callin								
SIGNATURE OF APPLICANT								
SIGNATURE OF APPLICANT								
STATE OF WASHINGTON ss.								
DEPARTMENT OF ECOLOGY \( \int \) 35.								
This is to certify that I have examined the foregoing application together with the accompanying maps and data,								
and return the same for correction or completion as follows:								
In order to retain its priority, this application must be returned to the Department of Ecology, with corrections, on or before								
Witness my hand this day of, 20								
Department of Ecology								

If you require this document in an alternate format, please contact the Water Resource Program at (360) 407-6600 or TTY (for the speech or hearing impaired) at 711 or 1-800-833-6388.

ECY 040-1-60 (Rev. 7/05) APPLICATION